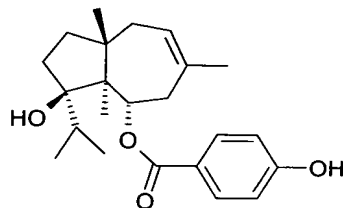


CLAIMS

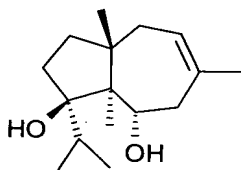
1. A process for the preparation of ferutinine (**Ia**)



(Ia)

which comprises the following steps:

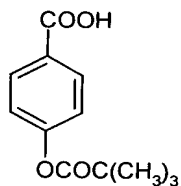
- a) extraction of daucane esters from *Ferula spp*;
- b) basic hydrolysis of daucane esters to give jaeschkenadiol (**II**)



(II)

;

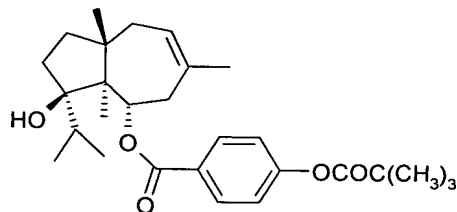
- c) esterification of jaeschkenadiol (**II**) with *p*-pivaloyloxybenzoic acid (**III**)



(III)

;

to give *p*-pivaloylferutinine (**IV**)



(IV)

;

d) hydrolysis of *p*-pivaloylferutinine (IV) to ferutinine.

2. Process according to claim 1 wherein daucane esters are extracted from *Ferula communis*.
3. Process according to claim 1 wherein daucane esters are extracted from
5 *Ferula hermonis*.
4. Process according to any one of claims 1-3 wherein daucane esters are extracted with supercritical carbon dioxide at temperatures ranging from 35 to 65°C and pressures ranging from 200 to 260 bar.
5. Process according to claim 4 wherein the temperature is 45°C.
- 10 6. Process according to claim 4 or 5 wherein the separation is carried out at temperatures ranging from 25 to 45°C and pressures ranging from 45 to 55 bar.
7. Process according to any one of claims 1-6 wherein steps c) and d) are carried out in sequence without recovering compound (IV).
8. Use of *Ferula spp* extracts for the preparation of cosmetic and/or
15 dermatological compositions.
9. Use of ferutinine for the preparation of cosmetic and/or dermatological compositions.
10. Use of *p*-pivaloyloxyferutinine for the preparation of cosmetic and/or dermatological compositions.